CLAIMS

1. An operational information managing apparatus (60) for use in a construction machine (1) to manage operating situations of said construction machine, wherein said apparatus comprises:

storage means (67) for taking in and storing plural kinds of operational information regarding said construction machine (1) as operational data; and

control means (65) for extracting top priority operational data from among the plural kinds of operational data stored in said storage means (67).

2. An operational information managing apparatus (60) for use in a construction machine (1) to manage operating situations of said construction machine, wherein said apparatus comprises:

storage means (67) for taking in and storing plural kinds of operational information regarding said construction machine (1) as operational data; and

control means (65) for extracting top priority operational data from among the plural kinds of operational data stored in said storage means (67), and outputting the extracted data to the supervising side.

3. An operational information managing apparatus (60) for use in a construction machine (1) to manage operating situations of said construction machine, wherein said apparatus comprises:

storage means (67) for taking in and storing plural

kinds of operational information regarding said construction machine (1) as operational data; and

control means (65) for extracting preset top priority operational data from among the plural kinds of operational data stored in said storage means (67), and outputting the extracted data to the supervising side.

4. An operational information managing apparatus (60) for use in a construction machine (1) to manage operating situations of said construction machine, wherein said apparatus comprises:

storage means (67) for taking in and storing plural kinds of operational information regarding said construction machine (1) as operational data; and

control means (65) for extracting selectively-set top priority operational data from among the plural kinds of operational data stored in said storage means (67), and outputting the extracted data to the supervising side.

5. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 4, wherein said control means (65) includes computing means (65) for computing, as the top priority operational data, operational data containing a cumulative run time of an engine (32) based on the operational data stored in said storage means (67).

6. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 4, wherein said control means (65) includes computing means (65) for computing, as the top priority operational

data, operational data containing an operating time per 30 minutes or an average engine load factor based on the operational data stored in said storage means (67).

7. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 4, wherein said control means (65) includes computing means (65) for computing, as the top priority operational data, operational data containing alarm information and snapshot information regarding a relevant alarm based on the operational data stored in said storage means (67).

8. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 7, wherein said control means (65) includes a control unit (65) for optionally changing a transmission cycle of the operational data.

9. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 8, wherein said control means (65) includes a control unit (65) for acquiring snapshot information in sync with display control means (55) which displays the operational data of said construction machine (1) on display means (54) as required.

10. The operational information managing apparatus (60) for the construction machine according to any one of Claims 1 to 9, wherein said storage means (67) takes in and stores the operational data of said construction machine, which includes a first kind of operational data regarding the operating status of an engine (32) and a second kind of

operational data regarding a body of said construction machine (1) and the operating status of an electric lever thereof.

11. An operational information managing system (2) for a construction machine, said system comprising:

a first communication network (2A) including an engine monitor unit (51R, 51L) for detecting operational data regarding the operating status of an engine (32);

a second communication network (2B) including a machine body control unit (52) for detecting operational data regarding a body of a construction machine (1) and an electric lever control unit (53) for detecting operational data regarding the operating status of an electric lever of said construction machine (1); and

an operational information managing apparatus (60) connected to said first communication network and said second communication network, taking in a third kind of operational data from said first communication network and a fourth kind of operational data from said second communication network, and computing and outputting top priority operational data based on the third kind of operational data and the fourth kind of operational data.

12. The operational information managing system (2) for the construction machine according to Claim 11, further comprising display control means (55) for outputting the third kind of operational data from said first communication network (2A) and the fourth kind of operational data from said second communication network (2B) to display means (54)

as required.

13. The operational information managing system (2) for the construction machine according to Claim 12, wherein said operational information managing apparatus (60) includes control means (65) for acquiring snapshot information in sync with the display control means (55).

14. The operational information managing system (2) for the construction machine, wherein said operational information managing apparatus (60) is the operational information managing apparatus according to any one of Claims 2 to 8.